

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Assistant Commissioner for Patents  
Attn: Box Missing Parts  
Washington, D.C. 20231

On February 9, 2001

TOWNSEND and TOWNSEND and CREW LLP

By: Sherry Barton

**COPY #7**  
**PATENT**  
Attorney Docket No.: 0939H-071110US  
Client Reference No.: P99H4027/US/JJ

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

In Sool Chung  
Seong Dong Kim

Application No.: 09/691,784

Filed: October 18, 2000

For: IMAGE SENSOR WITH  
IMPROVED DYNAMIC RANGE BY  
APPLYING NEGATIVE VOLTAGE TO  
UNIT PIXEL

Examiner:

Art Unit: 2811

TRANSMITTAL LETTER –  
RESPONSE TO NOTICE OF MISSING  
PARTS

Attn: Box Missing Parts  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**RECEIVED**

APR 02 2003

OFFICE OF PETITIONS

Sir:

Pursuant to the Notice to File Missing Parts of Non-Provisional Application

Dated , enclosed are the following to be made of record in the above-identified application:

- 1) Executed Declaration and Power of Attorney
- 2) Petition to Extend Time
- 3) Copy of Notice of Missing Parts

Please charge Deposit Account No. 20-1430 for the following fees:

Large Entity: (a) Filing Fee (§ 1.16(a)) (Large Entity)

04/11/2003 ALEALEY 00000032 201430  
01 FC:1001 710.00 CH  
02 FC:1201 80.00 CH  
03 FC:1051 130.00 CH  
04 FC:1251 110.00 CH

(b) Excess Claims Fees (§ 1.16(b), (c)):

15 - 20 = 0                      x \$18.00 =                      \$0.00

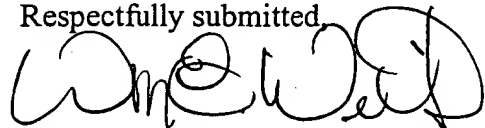
4 - 3 = 1                        x \$80.00 =                      \$80.00

(c) Missing Parts Surcharge                      \$130.00

**TOTAL FEES TO BE CHARGED                      \$920.00**

The Commissioner is hereby authorized to charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to Deposit Account No. 20-1430. This Transmittal Letter is submitted in triplicate.

Respectfully submitted,



William E. Winters  
Reg. No. 42,232

**Customer No. 20350**

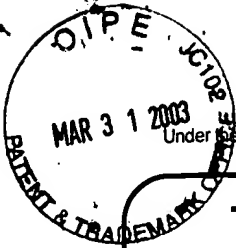
TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
Tel: 415-576-0200  
Fax: 415 576-0300  
W1W:rcr

SF 1187492 v1

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/691,784
Filing Date	October 18, 2000
First Named Inventor	Chung, In Sool
Art Unit	2811
Examiner Name	Unassigned
Total Number of Pages in This Submission	1
Attorney Docket Number	00939H-071110US

## ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1) Fee Transmittal 2) Petition for Revival of an Application for Patent Abandoned Unintentionally under 37 CFR 1.137(b) 3) Statement for Revival of an Application for Patent Abandoned Unintentionally and Request for Refund 4) Copy of Response to Notice of Missing Parts, as filed on February 9, 2001 5) Copy of Notice of abandonment 6) Return Postcard
Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

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APR 02 2003

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

OFFICE OF PETITIONS

Firm or Individual	Townsend and Townsend and Crew LLP
Signature	Robert C. Colwell
Date	3/18/03

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: 3/25/03

Typed or printed	Anna M. Crompton
Signature	Anna M. Crompton
Date	March 25/03

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. PA 3283871 v1

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



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Approved for release through 10/31/2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 1300

Complete if Known

Application Number	09/691,784
Filing Date	October 18, 2000
First Named Inventor	Chung, In Sool
Examiner Name	Unassigned
Group Art Unit	2811
Attorney Docket No.	00939H-071110US

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APR 02 2003

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## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ MoneyOrder ☐ Other ☐ None

☒ Deposit Account:

Deposit  
Account  
Number

20-1430

Deposit  
Account  
Name

Townsend and Townsend and Crew LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1001	750	2001	375	Utility filing fee
1002	330	2002	165	Design filing fee
1003	520	2003	260	Plant filing fee
1004	750	2004	375	Reissue filing fee
1005	160	2005	80	Provisional filing fee

Fee Paid

SUBTOTAL (1)

(\$ )

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fees from below	Fee Paid
Independent Claims	** =		
Multiple Dependent	X		

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ )

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large	Entity	Small	Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65			Surcharge - late filing fee or oath	
1052	50	2052	25			Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130			Non-English specification	
1812	2,520	1812	2,520			For filing a request for reexamination	
1804	920*	1804	920*			Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*			Requesting publication of SIR after Examiner action	
1251	110	2251	55			Extension for reply within first month	
1252	410	2252	205			Extension for reply within second month	
1253	930	2253	465			Extension for reply within third month	
1254	1,450	2254	725			Extension for reply within fourth month	
1255	1,970	2255	985			Extension for reply within fifth month	
1401	320	2401	160			Notice of Appeal	
1402	320	2402	160			Filing a brief in support of an appeal	
1403	280	2403	140			Request for oral hearing	
1451	1,510	1451	1,510			Petition to institute a public use proceeding	
1452	110	2452	55			Petition to revive - unavoidable	
1453	1,300	2453	650			Petition to revive - unintentional	1300
1501	1,300	2501	650			Utility issue fee (or reissue)	
1502	470	2502	235			Design issue fee	
1503	630	2503	315			Plant issue fee	
1460	130	1460	130			Petitions to the Commissioner	
1807	50	1807	50			Petitions related to provisional applications	
1806	180	1806	180			Submission of Information Disclosure Stmt	
8021	40	8021	40			Recording each patent assignment per property (times number of properties)	
1809	750	2809	375			Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375			For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375			Request for Continued Examination (RCE)	
1802	900	1802	900			Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$ )1300

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Robert C. Colwell	Registration No. (Attorney/Agent)	27,431	Telephone	650-326-2400
Signature				Date	3/18/03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. PA 3283861 v1

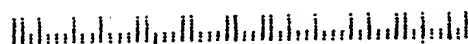
COPY



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20 AM 8:13  
D.S. TOWNSEND  
& CREW

LAW OFFICES  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, Eighth Floor  
San Francisco, California 94111-3834

94111+3823



TO THE U.S. PATENT & TRADEMARK OFFICE

FEB 21 2001

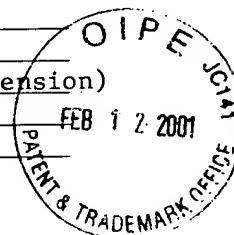
Please stamp the date of receipt of the following document(s)  
and return this card to us:

RE: In re Patent Appln. of In Sool Chung, et al.

TITLE OF DOCUMENT(S):

TRANSMITTAL LETTER - RESPONSE TO NOTICE OF MISSING PARTS  
(in triplicate) together with Executed Declaration and  
Power of Attorney, Petition to Extend Time (in triplicate),  
Copy of Notice of Missing Parts and Return Postcard

Application No. 09/691,784  
File No. 00939H-071110US  
Date Due March 6, 2001 (1 month extension)  
Date Mailed February 9, 2001  
Atty/Secty. WILLIAM E. WINTERS/sb



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APR 02 2003

OFFICE OF PETITIONS

**UNITED STATES PATENT & TRADEMARK OFFICE**  
Washington, D.C. 20231

**REQUEST FOR PATENT FEE REFUND**

1 Date of Request: 4-9-03

2 Serial/Patent # 09/691,784

3 Please refund the following fee(s):

4 PAPER  
NUMBER

5 DATE  
FILED

6 AMOUNT

Filing

Amendment

Extension of Time

Notice of Appeal/Appeal

☒ Petition

Issue

Cert of Correction/Terminal Disc.

Maintenance

Assignment

Other

4

3/31/03

\$ 1300<sup>00</sup>

\$

\$

\$

\$

\$

\$

\$

7 TOTAL AMOUNT  
OF REFUND

\$ 1300<sup>00</sup>

8 TO BE REFUNDED BY:

Treasury Check

Credit Deposit A/C #:

9 

2	0	--	1	4	3	0
---	---	----	---	---	---	---

10 REASON:

Overpayment

Duplicate Payment

☒ No Fee Due (Explanation):

*unnecessary*

11 REFUND REQUESTED BY:

TYPED/PRINTED NAME:

WILL LAYMAN

TITLE: Pat. Exam.

SIGNATURE:

*Will Layman*

PHONE:

OFFICE:

\*\*\*\*\*  
THIS SPACE RESERVED FOR FINANCE USE ONLY:  
\*\*\*\*\*

APPROVED:

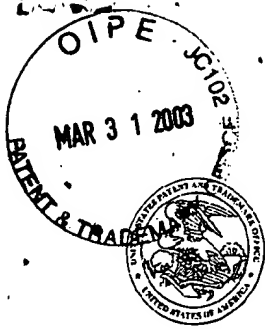
*Chau Kelly*

DATE:

4/1/03

Instructions for completion of this form appear on the back. After completion, attach white and yellow copies to the official file and mail or hand-carry to:

Office of Finance  
Refund Branch  
Crystal Park One, Room 802B



COPY

Page 1 of 1

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/691,784	10/18/2000	In Sool Chung	0939H-071110US

20350  
TOWNSEND AND TOWNSEND AND CREW  
TWO EMBARCADERO CENTER  
EIGHTH FLOOR  
SAN FRANCISCO, CA 94111-3834

FORMALITIES LETTER



Date Mailed: 12/06/2000

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

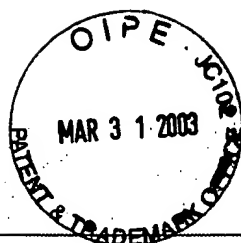
- The statutory basic filing fee is missing.  
*Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 840.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

TOWNSEND & TOWNSEND  
& CREW  
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00 DEC 18 AM 10:30



Commissioner for Patents  
Washington, DC 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/691,784	10/18/2000	In Sool Chung	0939H-071110US

CONFIRMATION NO. 3696

20350  
TOWNSEND AND TOWNSEND AND CREW, LLP  
TWO EMBARCADERO CENTER  
EIGHTH FLOOR  
SAN FRANCISCO, CA 94111-3834

**ABANDONMENT/TERMINATION  
LETTER**



\*OC000000009275590\*

Date Mailed: 12/20/2002

**NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)**

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 12/06/2000.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to "Office of Petitions" at (703) 305-9282.

*A copy of this notice **MUST** be returned with the reply.*

*J Stokes*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE